



Minimally Disruptive Medicine

a respectful approach to asthma care delivery

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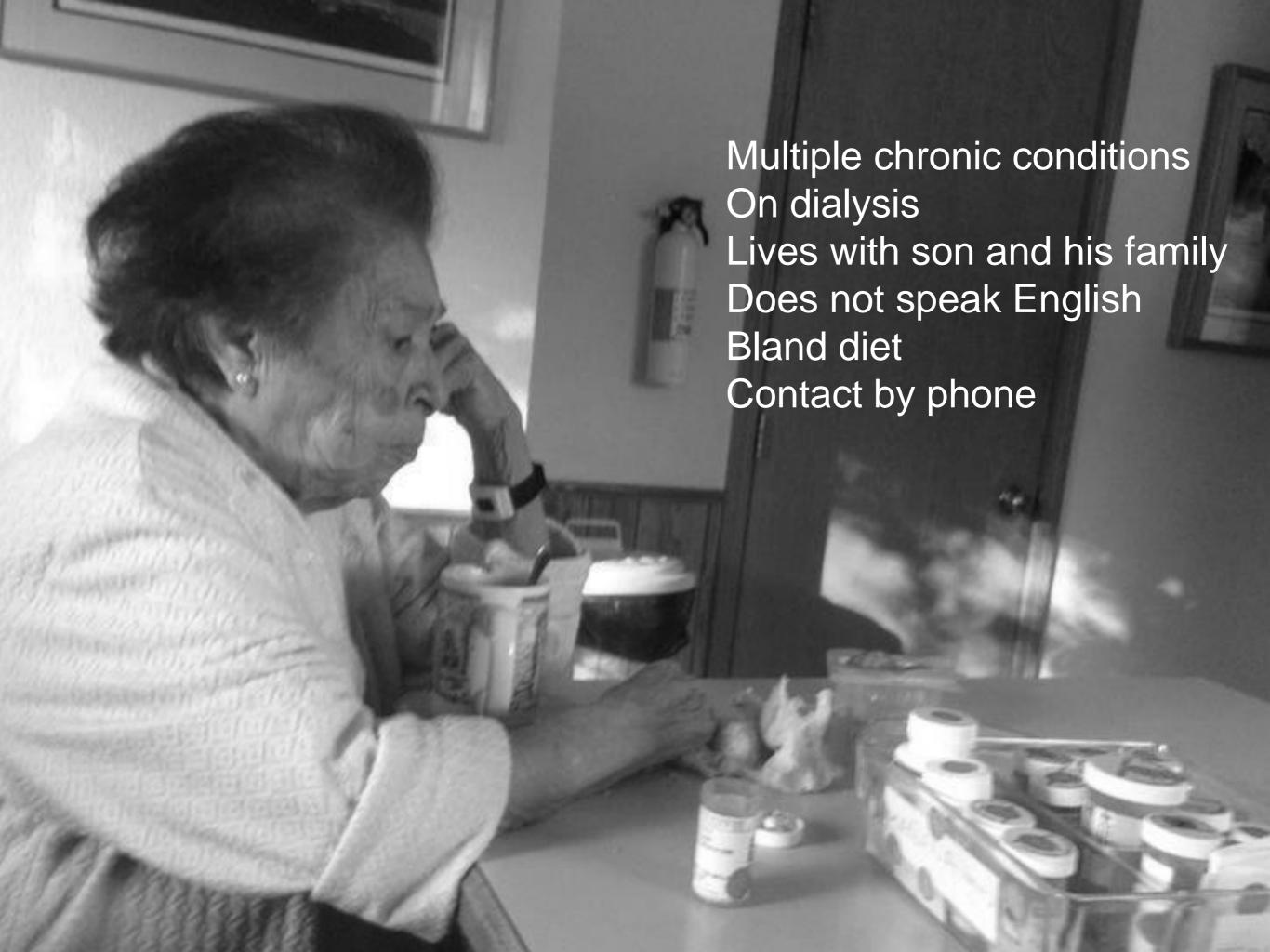
Accreditation

The content of this webinar presentation has been approved for RN, RT, and CCM CE credit. Not all topics qualify for AE-C re-certification. See www.naecb.org for more details.

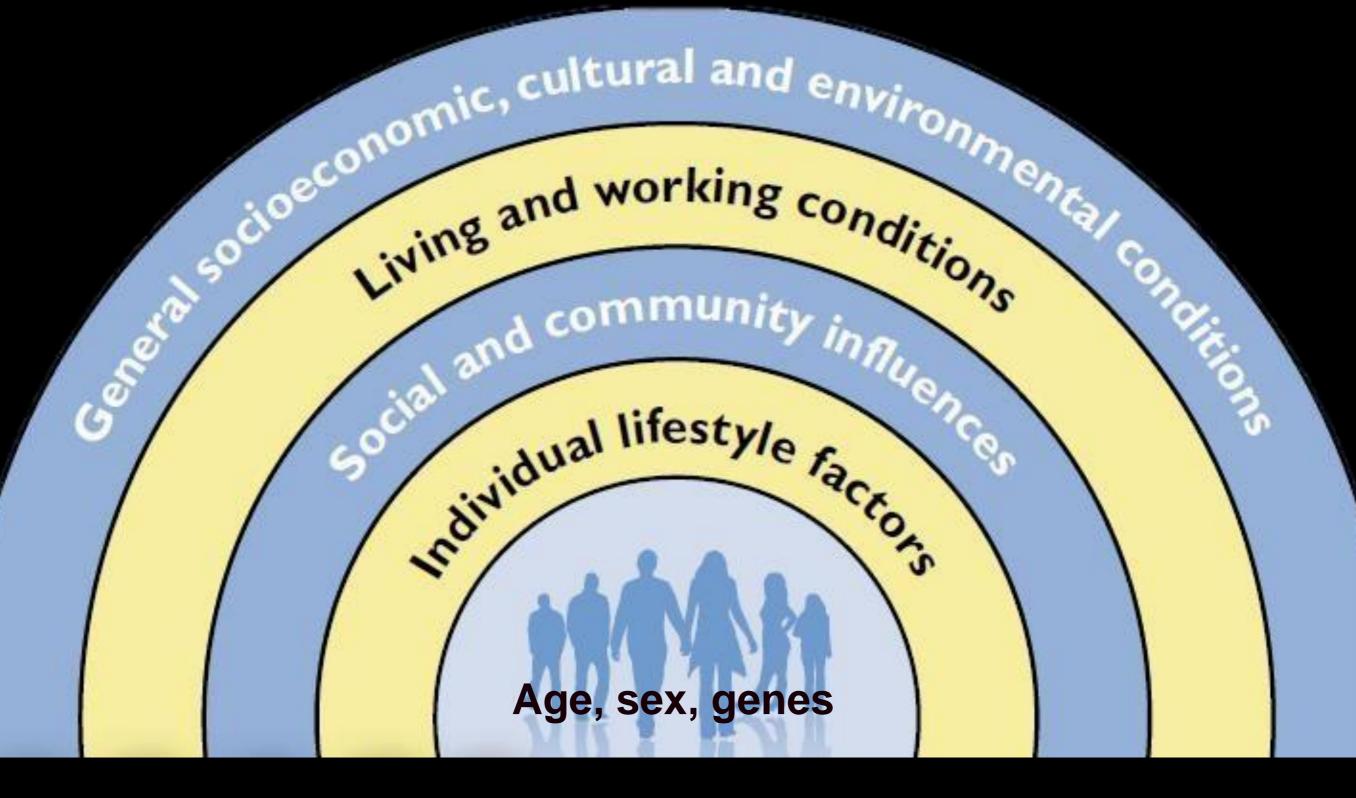
Measures have been taken by the Utah Department of Health, Bureau of Health Promotion, to ensure there is no conflict of interest in this activity.

Disclosure Statement

I do **not** have financial relationships to disclose.







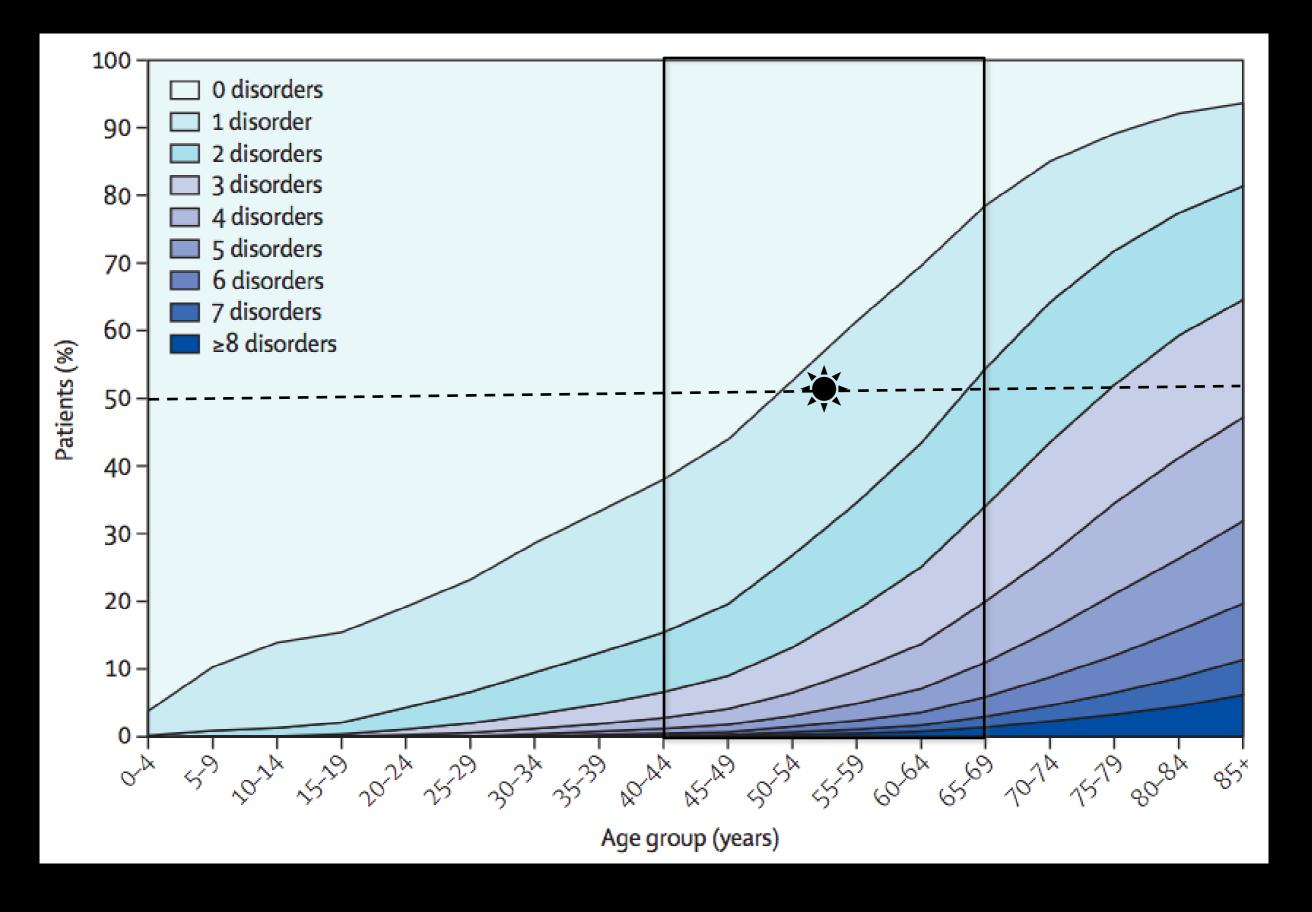
Violence Pollution

Chronic stress

Multi morbidity

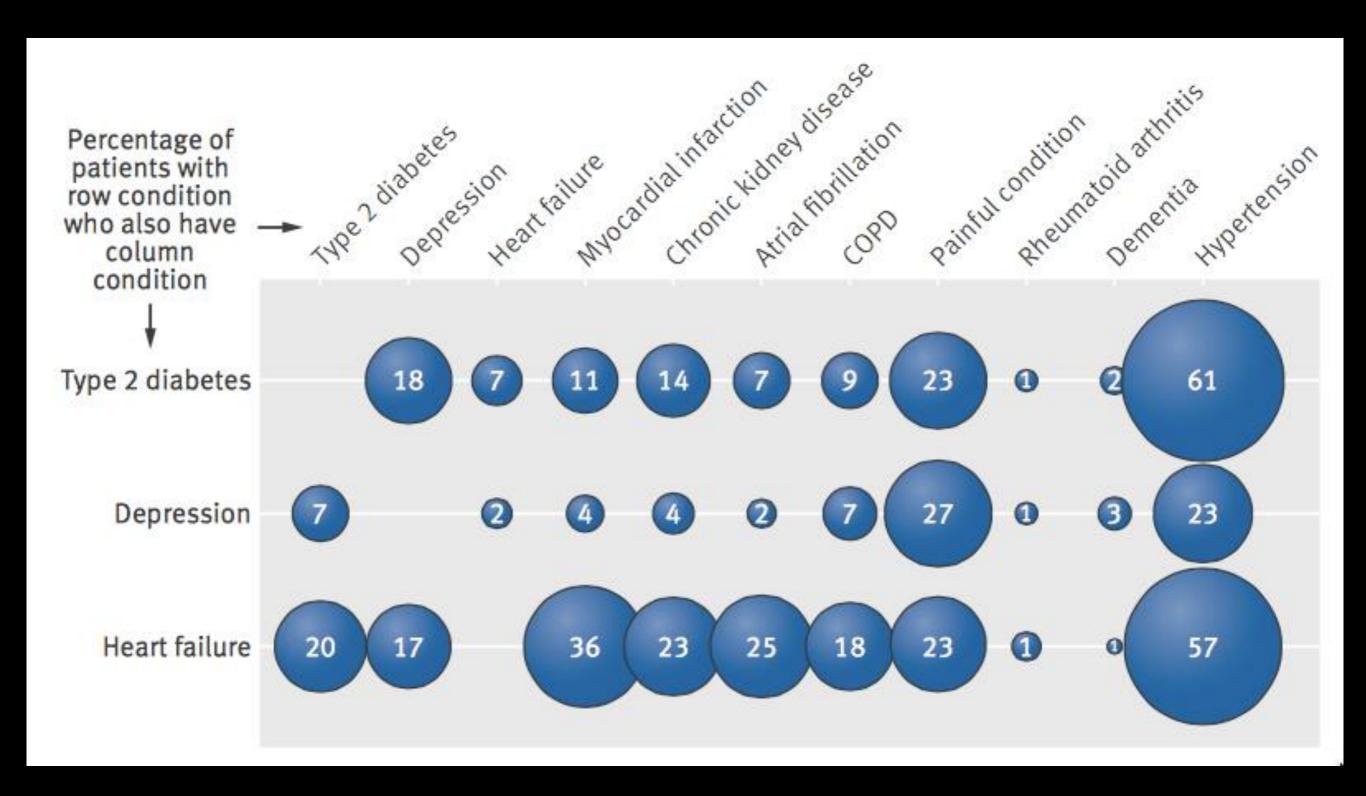
Loneliness Obesity

Poverty Alienation

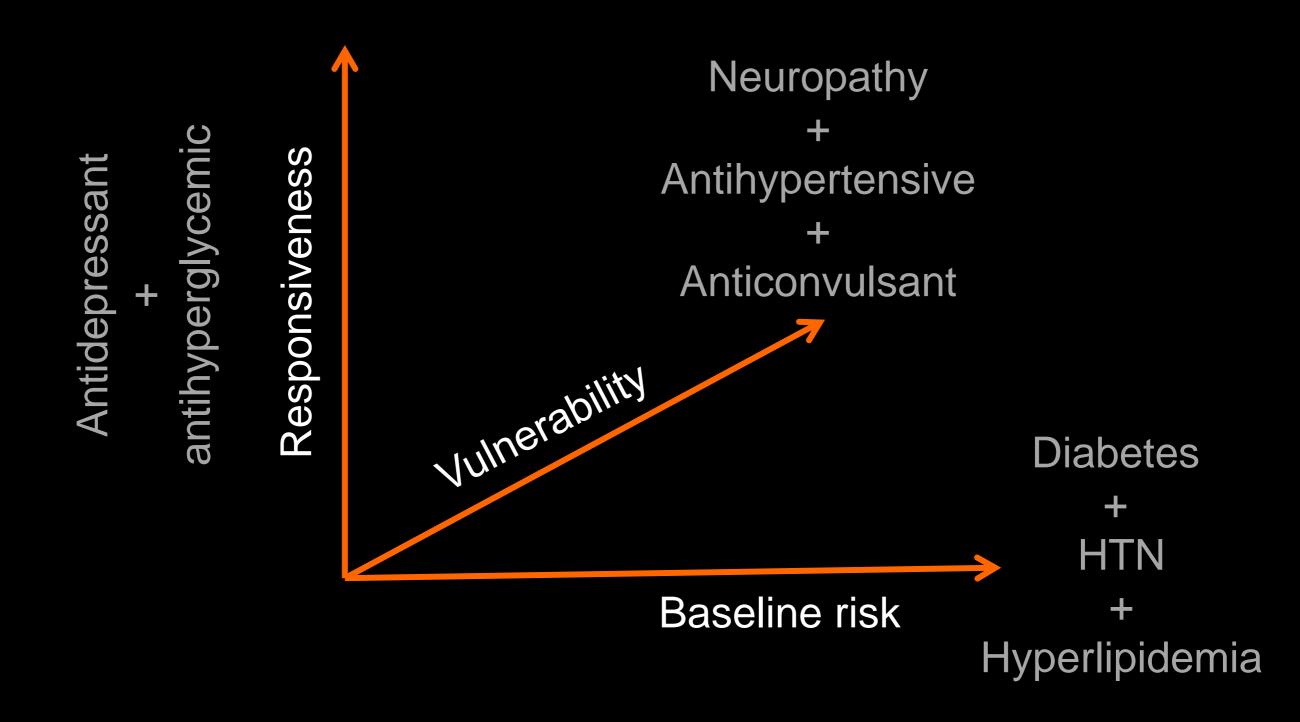


Barnett et al. Lancet 2012

Comorbidities are common



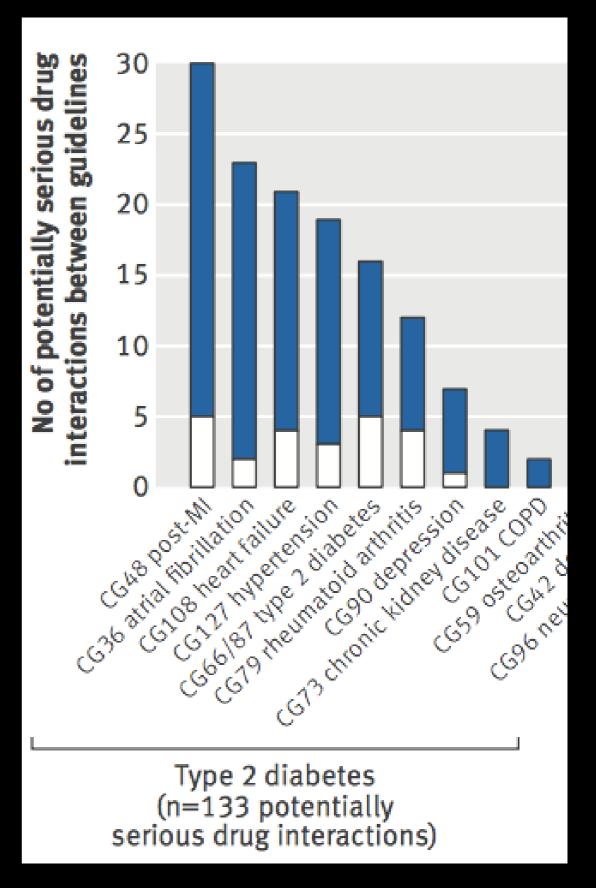
Do the other conditions and their management impact...



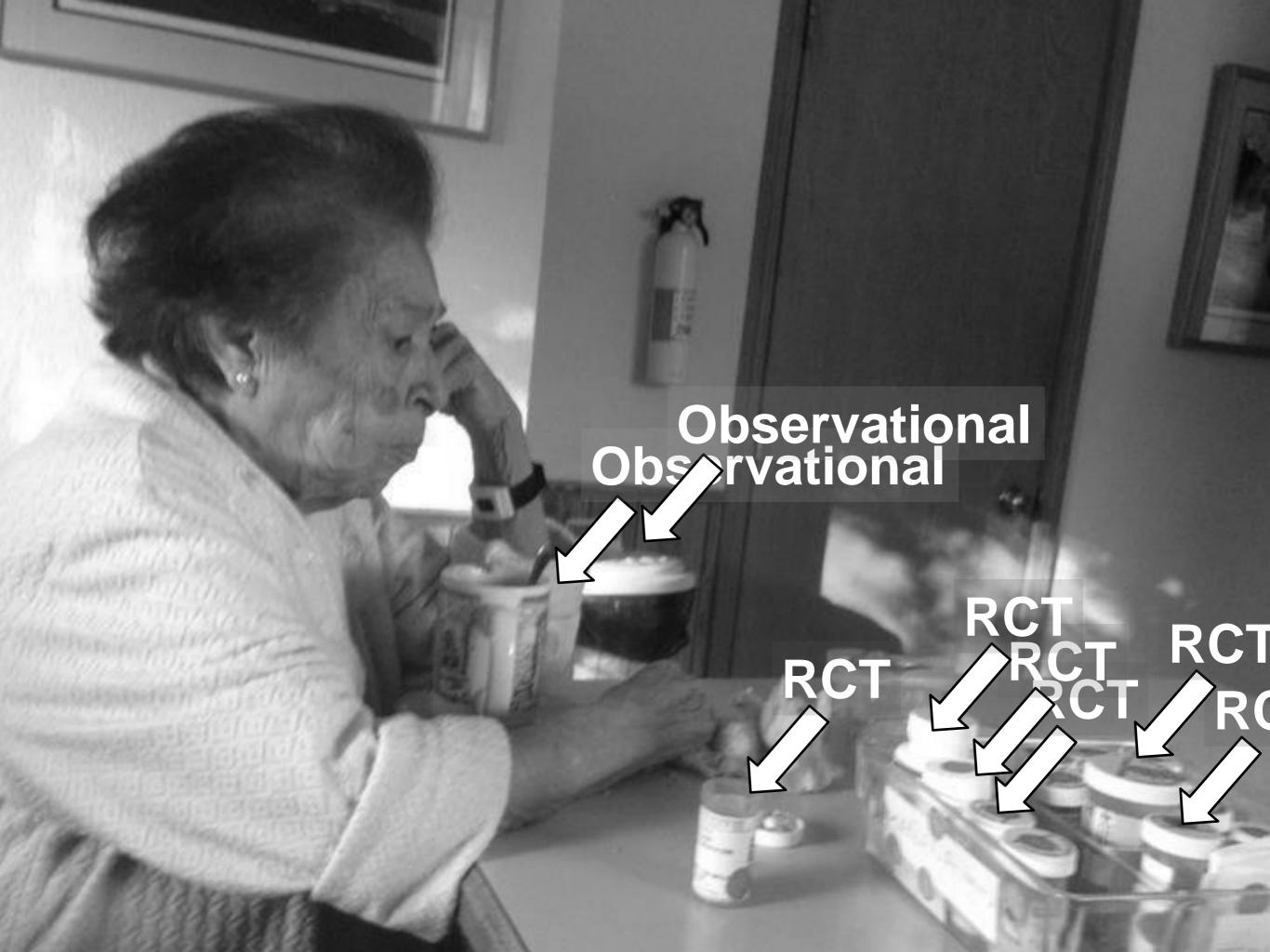
Expected interactions between guidelines

Drug-disease interactions rare, but for chronic kidney disease.

Drug-drug interactions are common, and ~20% serious



Dumbreck et al. BMJ 2015;350:h949



Evidence-based guidelines
Care pathways
Quality measures
Specialist care
are
disease focused and context blind
Increasingly complex regimens

Limited to no prioritization Poor care coordination

Overwhelmed patients and families

The work of being a patient



Sense-making work



Doing the work



Organizing work and enrolling others



Reflection, monitoring, appraisal

Gallacher et al. Annals Fam Med 2012

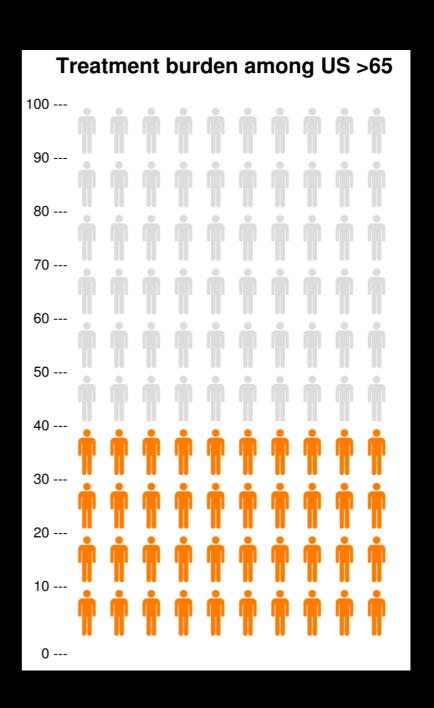
New work

Prepare for the consultation Watch educational video Bring questions; be ready for new ones Record and review the visit Review the medical record Communicate via portal and transmit data Self-measure, self-monitor, self-manage Manage appointments, prescriptions, bills Keep family and important others informed Take care of significant other Advocate for self and others

Prevalence of Treament Burden

Clinicians ask for too much, the work is too hard, and it gets delayed or not get done.

More common in low SES and sicker patients who were more likely to delegate.



Nationally representative survey of 2040 >65 Americans Wolff JL, Boyd CM. JGIM 2015 30: 1497-504



Purpose Resilience Literacy Bandwidth Health Financial Social Environmental

Workload

Capacity



Workload-capacity imbalance?

↑ Workload Life

Treatment burden

Capacity

Sick

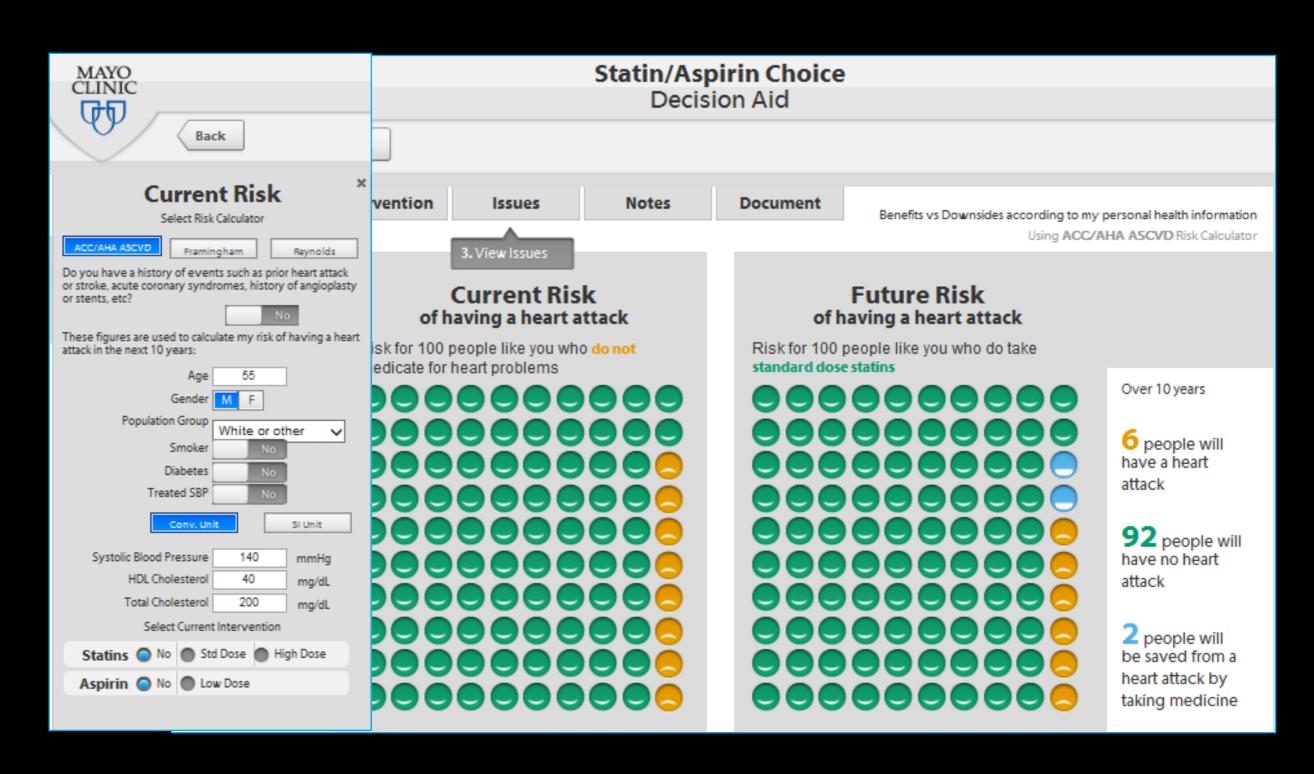
Personal

Functional

Socio-economical



Statin Choice



Weight Change

Low Blood Sugar

(Hypoglycemia)

Blood Sugar

(A1c Reduction)

Daily Routine

Daily Sugar Testing

(Monitoring)

Cost

These figures are estimates and are for comparative reference only. Actual out-of-pocket costs vary over time, by pharmacy, insurance plan coverage, preparation and dosage. Under some plans name brands may be comparable in cost to generics.

Metformin (Generic available)

\$0.10 per day

\$10 / 3 months

Insulin (No generic available – price varies by dose)

Lantus: Vial, per 100 units: \$10

Pen, per 100 units: \$43

NPH: Vial, per 100 units: \$6 Pen, per 100 units: \$30

Short acting analog insulin: Vial, per 100 units: \$10

Pen, per 100 units: \$43

Pioglitazone (Generic available)

\$10.00 per day

\$900 / 3 months

Liraglutide/Exenatide (No generic available)

\$11.00 per day

\$0.10 per day

\$1,000 / 3 months

Sulfonylureas

Glipizide, Glimepiride, Glyburide

\$10 / 3 months

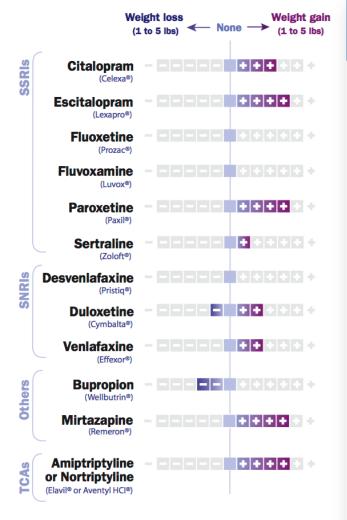
What aspect of your next diabetes medicine would you like to discuss first?

Sleep

SS

Othe

Some people may experience weight change. It is most likely to occur over six to twelve months and depends on your actual weight. The chart below is based on a 150 lb person.



Quitting your medicine all at once can make you feel sick, as if you had the flu (e.g. headache, dizziness, light-headedness, nausea or anxiety).

Some people may experience sleepiness or insomnia

✓ Insomnia

Sleepiness >

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because of their antidepressant.

Citalopram

Escitalopram

Fluoxetine

Fluvoxamine

Paroxetine

Sertraline

Duloxetine

Venlafaxine

Bupropion

Mirtazapine

Amiptriptyline or Nortriptyline

(Elavil® or Aventyl HCI®)

(Cymbalta*)

(Effexor®)

Desvenlafaxine

(Celexa®

(Prozace)

(Luvox*)

These figures are estimates and are for comparative reference only. Actual out-of-pocket costs vary over time, by pharmacy, insurance plan coverage, preparation

Some people may experience loss of sexual desire (libido) or loss of ability to reach orgasm because of their antidepressant.

Keep in Mind

Depression medicines may cause some:

- constipation, diarrhea and nausea
- · increased risk of suicidal thoughts and behaviors (18- to 24-year-olds)
- · risk of developing serotonin syndrome, a potentially life-threatening condition

possible drug-drug interactions Additional considerations Citalopram Can cause problems with your heart (Celexa*) Escitalopram Currently no other issues Fluoxetine More likely to interact with other drugs you are taking (Prozac® Fluvoxamine More likely to cause constitution, clambea or nausea Not officially recognized as a treatment for Major Depressive Disorder Paroxetine If you are pregnant, this medicine is more likely to cause (Paxil®) problems with your unborn child Sertraline More likely to cause diarrhea (Zoloft®) Desveniafaxine Tell your doctor if you have high blood pressure **Duloxetine** Can help with pain (Cymbalta*) Tell your doctor if you have high blood pressure Venlafaxine More likely to cause nausea and vomiting (Effexor®) Can cause problems with your heart Tell your doctor if you have high blood pressure **Bupropion** Higher risk of seizures (Wellbutrin®) Mirtazapine Starts to work more quickly Amiptriptyline More likely to cause constipation, diarrhea or nausea or Nortriptyline Can help with pain

(Elavil® or Aventyl HCl®) If you are elderly, this medication may not be the best option

What You Should Know

Will this medicine work for me?

- The antidepressants presented in this decision aid all work the same for treating depression.
- Most people with depression can find one that can make them feel better.
- 6 out of 10 people will feel better with the first antidepressant they try and the rest will have to try other antidepressants before they find the one that is right for them.

How long before I feel better?

 Most people need to take an antidepressant regularly for at least 6 weeks to begin to get the full effect.

Understanding side effects

- Most people taking antidepressants have at least one side effect.
- Many side effects go away after a few weeks, but some only go away after you stop the medicine.

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Summary of Mayo experience

Age: 40-92 (avg 65)

Primary care, ED, hospital, specialty care

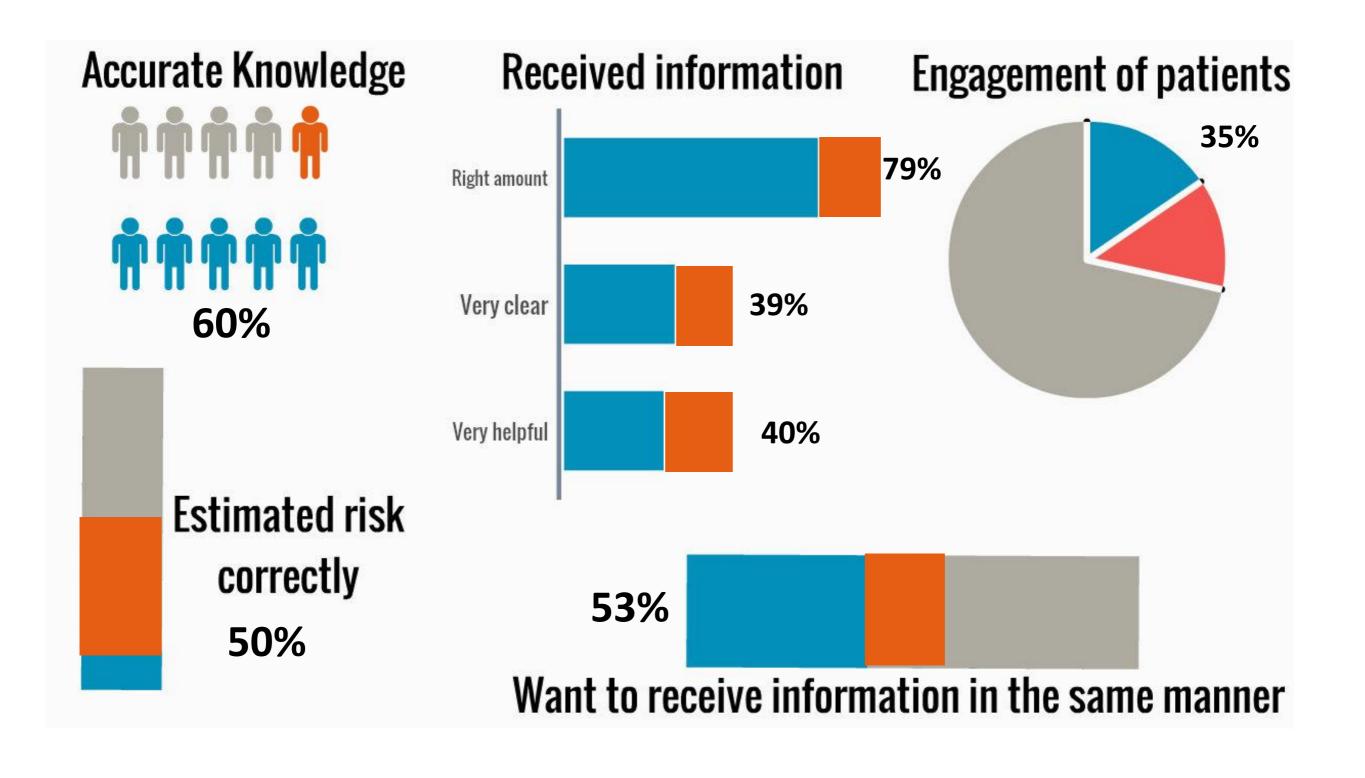
74-90% clinicians want to use tools again

Adds ~3 minutes to consultation

58% fidelity without training

Effects on SDM are similar in vulnerable populations

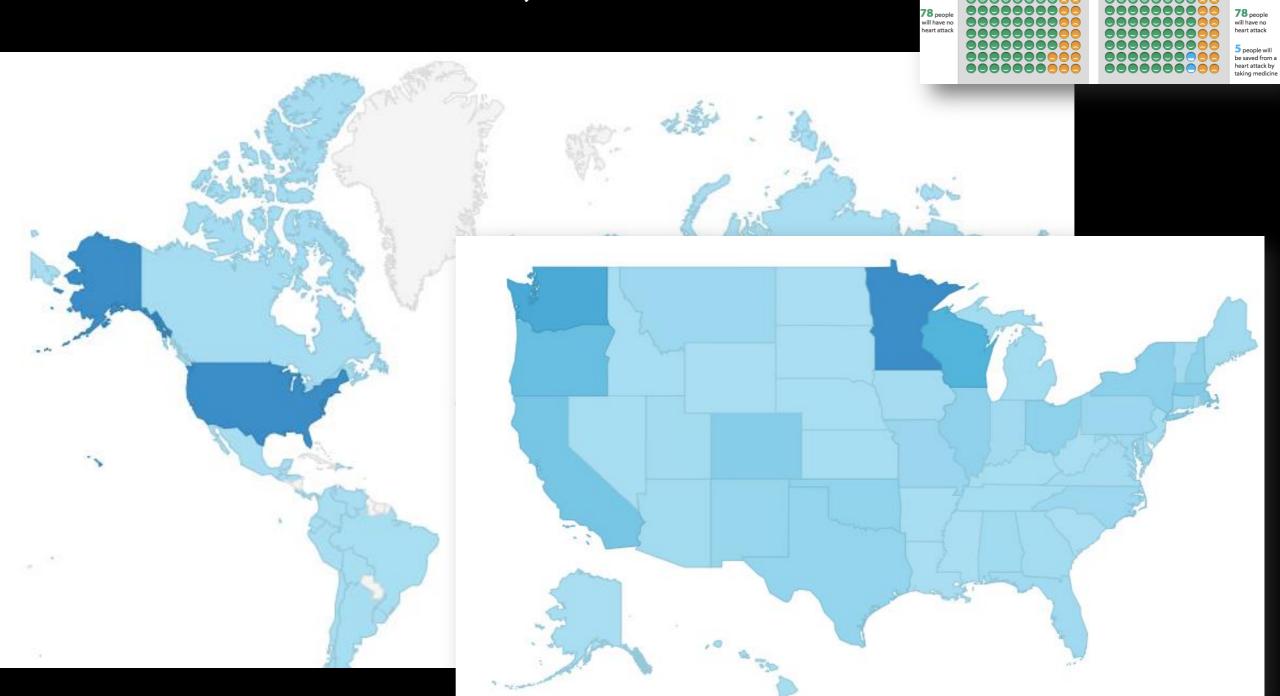
Variable effect on clinical outcomes, cost





Adoption

10,000/month



Current Risk

Future Risk

Workload-capacity imbalance?

Treatment burden

Prioritize (SDM) De-prescribe

Capacity



Coaching
Self management training

Palliative care

Mental health

Physical and occupational therapy

Financial and resource security services Community and governmental resources

Are these areas of your life a source of satisfaction, burden, or both?

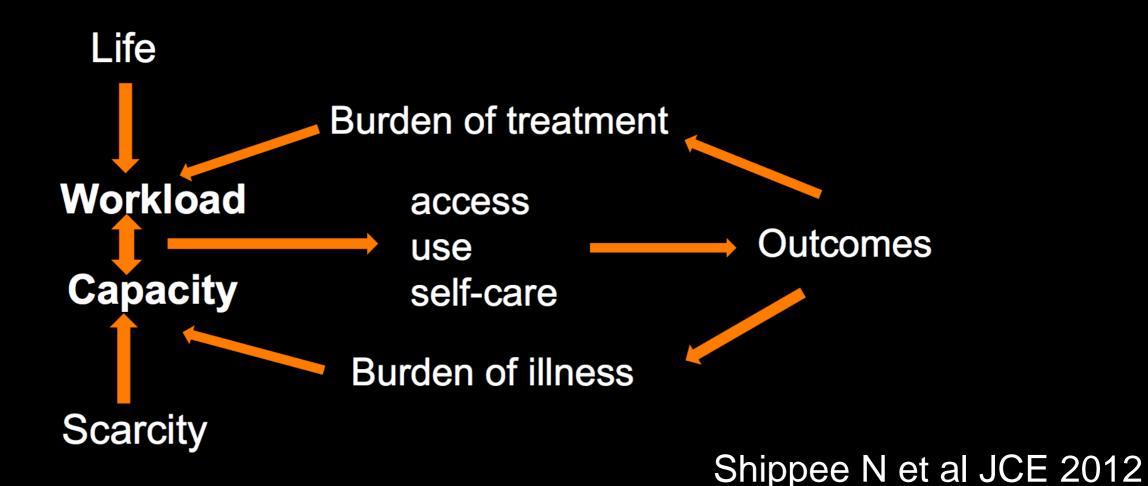
S _{atisfact}	Bur	den
My Family and Friends	<i>(</i>)	0
My Work	0	0
My House & Neighborhood	0	0
My Finances	0	0
Free time, Relaxation, Fun	(V)	0
Faith or Personal Meaning	0	0
Being Active	0	0
My Rest and Comfort	0	0
My Emotional Life	0	0
My Senses and Memory	0	0
Eating Well	0	0

What are the things that your doctors or clinic have asked you to do to care for your health?

For example:

Come in for appointments
Take aspirin

Do you feel that they are a help, a burden, or both?		
	A help A burden	
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25 yrs and 42 RCTs
30-day readmission
Interventions supporting capacity
30% more effective

Leppin A et al. JAMA Intern Med 2014



Accountability

Physical and mental health Role function Disease control Life **Burden of treatment** Workload access Imbalance of **Outcomes** use workload: capacity Capacity self-care Burden of illness Burden of illness Burden of treatment Scarcity Satisfaction with and ease of access, continuity, transitions

Adapted from NQF: MCC Measurement Framework 2012







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QUESTIONS?

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